

Position Description (PD) Template for Yucca Mountain Lead Lab Activities

Position Description Number	YM047	
Creation Date of PD	07/05/2006	
Job Title	Test Interface for Performance Confirmation	
SNL Dept Name	Performance Confirmation	
SNL Org Number (or TBD)	0685x	
Number of Openings	2	
Description of Position	<p>Test Interface: The Lead Laboratory statement of work requires that SNL support a performance confirmation program by developing the PC testing strategy, providing specific modeling to support PC Test Plans (PCTPs) and using TSPA to inform decisions on PC. A <i>testing and monitoring strategy document</i> is needed to ensure that requirements in the regulations are covered and that organizations are identified to assume roles and responsibilities. This document will define implementing procedures, such that organizations have both autonomy and integration. The lead person for this assignment will be responsible for recruiting a cross-sectional team for authorship. Test categories for 10CFR Part 63 include:</p> <ul style="list-style-type: none"> • Natural & Engineering System Testing & Evaluation • Design, Construction & Operations Testing • Performance Confirmation • Regulatory Directed R&D Programs • Health, Safety & Effluents • Security and Emergency Testing • Licensing Specifications • S&T Program (OSTI) <p>It is recognized, with regard to experimental or test operations needed to satisfy performance confirmation or other requirements, such on-site activities must be coordinated with the M&O for site operations and others. This coordination is central to the testing and monitoring strategy document.</p> <p>This PD has two possible applicants, one of leadership and a second of contributing staff.</p>	
Required Skills & Experience	<p>Required Skills</p> <ul style="list-style-type: none"> • Knowledge of project interfaces • Familiar with YMP technical and Quality Assurance programs • Good oral and written communication skills • Knowledge of regulatory requirements for Performance Confirmation <p>Required Experience</p> <ul style="list-style-type: none"> • Engineering and/or technician level experimental experience • Cross-section of YMP experience • Considerable QA experience in a regulatory environment 	
Desired Skills & Experience (if applicable)	Experience in laboratory and field with long-term, multifaceted, complicated experiments	
Required Education (Degrees & Levels)	A BS degree in engineering, mathematics, physical or geological sciences is required.	
Desired Education (Degrees & Levels - if applicable)	Technical training, craft training, advanced technical degree.	
Full Time Position? (Y/N)	Y	
Job Requires lifting 35+ Pounds (Y/N)	N	
Desired Start Date	10/1/06	
Can this position accommodate...		
Part Time Employees? (Y/N)	Telecommuting? (Y/N)	Foreign Nationals? (Y/N)
N	N	Y

Please Select All Related WBS Elements for this PD (required for distributing PDs to contract providers for sourcing)

WBS Elements of 1.5.01	Name	
1.5.01.07	Environmental, Safety and Health	x
WBS Elements of 1.5.03		
1.5.03.03	Unsaturated Zone Flow and Transport - Post Closure Safety	x
1.5.03.04	Saturated Zone Flow and Transport - Post Closure Safety	x
1.5.03.05	Waste Package Degradation – Post Closure Safety	x
1.5.03.06	Waste Form Degradation – Post Closure Safety	x
1.5.03.07	Engineered Barriers System Performance – Post Closure Safety	x
1.5.03.11	Postclosure Safety Test Coordination-ESF Ops	X
1.5.03.12	Performance Confirmation Tests-Post Closure S	X
	Performance Confirmation and Experimental Strategy	X

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